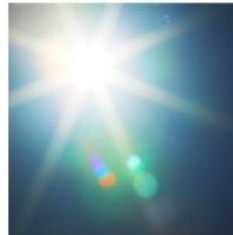


# Coal Combustion Residuals (CCR) Introduction

State Water Control Board  
January 14, 2016



# Overview

- Two permit actions for consideration today
  - Dominion – Possum Point Power Station
  - Dominion – Bremo Power Station
- Focus of permit actions – initial steps Dominion must take to close out inactive ash ponds under new federal CCR rule
- First step – remove water from inactive ponds

# Background

- **EPA Final Rule on Disposal of Coal Combustion Residuals**
  - On December 22, 2008, a large coal ash spill occurred at the Tennessee Valley Authority (TVA) power plant in Kingston, TN
  - This spill prompted EPA to assess coal ash surface impoundments and gather information from facilities managing coal ash nationwide.
  - In 2010, EPA proposed regulations under RCRA to address the risks from the disposal of CCRs generated from the combustion of coal at electric utilities and independent power producers.
  - During the course of the proposed rule-making, the Dan River coal ash spill occurred from the Eden, N.C. Duke facility and was included in the cases considered by EPA in the rule-making
  - Rule establishes national minimum criteria for the disposal of CCR in landfills and surface impoundments.
  - Final Rule Effective Date October 19, 2015

# Surface Impoundments

- **2015 EPA Final Rule on the Disposal of Coal Combustion Residuals**
  - Provides operational and closure standards for new and existing surface impoundments
  - Provides closure requirements for inactive impoundments
    - Inactive impoundments are those that have not accepted CCR after October 19, 2015 and contain free liquids and are on the property of the generator
    - Rule provides station owner with two closure options – capping in place or removal
    - For either option first step is to remove water from the ponds
- **Virginia Solid Waste Management Regulations**
  - Virginia Waste Management Board adopted and incorporated EPA Final Rule (December 4, 2015)
  - Provides technical requirements for closure and post-closure of surface impoundments
  - Provides a permitting process

# Surface Impoundments

- **Solid Waste Permit Provisions**
  - Review and Approval of Closure/Cap
  - Groundwater Monitoring
  - Surface Water Monitoring
  - Cost-Estimates and Financial Assurance
  - Post-Closure Plan/Cap Maintenance
  - Public Participation Process